

**Autumnwood ESH Consultants, LLC**

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6 May 2016

Mr. John Nordine  
U.S. EPA Region 5  
RCRA Enforcement and Compliance Assurance Branch (LU-9J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois RCRA CMI Monthly Progress Report for April 2016

Dear Mr. Nordine:

Enclosed please find the RCRA CMI Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of April 2016.

The electronic Discharge Monitoring Report (eDMR) for the groundwater pump and treat facility and the laboratory analytical report, which includes the effluent data used in the eDMR, are also attached to this report.

If you have any comments or questions regarding the progress of this project, please contact me at (262) 237-1130.

Sincerely,

**Autumnwood ESH Consultants, LLC**

John W. Thorsen, P.E.

JWT:jt

encl

cc:	Joyce Munie	IEPA
	Robert Kay	USGS
	Gerald W. Ruopp	Central Wire
	Robert Johnson	Central Wire

**MONTHLY PROGRESS REPORT**  
**Central Wire Union, Illinois Site**  
**April 2016**

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction and treatment system. Central Wire treated an average of 641,000 gallons per day with a maximum daily flow of 642,000 gallons per day and met effluent limitations for pH, 1,1,1-Trichloroethane (TCA), Trichloroethene (TCE) and Tetrachloroethene (PCE). The electronic Discharge Monitoring Report (eDMR) for April 2016 is attached to this report.

The laboratory analytical report for the pump and treat effluent noted that the groundwater pump & treat effluent samples were collected on April 13 and arrived at the lab on April 14, 2016 at 2.8° C. The lab noted that two of three vials were broken, but sufficient sample remained to conduct the required analysis. Central Wire has been putting extra bubble wrap in the sample coolers for the past three or four months. We will continue to add cushioning until this problem is solved.

In 2015, Central Wire began noticing differences in the readings between the two data loggers used at monitoring well DGW-2I. We learned that Onset Technologies does not recalibrate the data loggers, but rebuilds them to a rigid specification. Central Wire had the data loggers rebuilt over the winter. Onset also indicated that we could use one data logger by transferring the data to a “Shuttle” at the end of the month and drop the same logger back into the well for the following month.

The pump motors were installed on April 16, [Ex. 6 Personal Privacy (PP)] and April 18, [Ex. 6 Personal Privacy (PP)]. Central Wire transferred the data to the shuttle on May 2, 2016 and went back to the office to download the data from the shuttle to a computer, but somehow lost the data in the process. Mr. Johnson indicated Central Wire would go back to rotating between two loggers until Central Wire can transfer the data successfully from logger to shuttle to computer. However, we do have the pumpage information for April 2016 in Table 1. There was a total of 31 hours of pumping.

**Table 1**  
**Summary of 2016 Irrigation Pumping Hours per Week at [Ex. 6 Personal Privacy (PP)]**  
**(April 16 & 18 through May 2, 2015)**

Date of Hour Meter Reading	[Ex. 6 Personal Privacy (PP)]		[Ex. 6 Personal Privacy (PP)]	
	Hour Meter Reading	Hours Pumped	Hour Meter Reading	Hours Pumped
4/16/2016			3642	Pump motor installed
4/18/2016	5869	Pump motor installed		
4/25/2016	5874	5	3658	16
5/2/2016	5879	5	3663	5
<b>Totals</b>		10		21

The revised Work Plan submitted for the 2016 RCRA CMI plume investigation was approved by EPA on April 14, 2016 for work to be conducted in June 2016 concurrent with the semiannual groundwater monitoring well and residential well sampling event.

2. **Summary of Validated Data and Results** –The permit limitations and April analytical results are shown in Table 2, below.

**Table 2**  
**Central Wire Union Illinois Pump & Treat Discharge Analytical Results**

Parameter	Effluent Limitation (Daily Maximum), µg/L	April 2016 Analytical Results, µg/L
1,1,1-Trichloroethane	20	< 0.38
Tetrachloroethene	20	< 0.37
Trichloroethene	20	< 0.16

The April NPDES analytical report is attached to this Monthly Progress Report.

This report also has environmental analytical results for the North Pond and South Pond. These ponds are Illinois EPA-regulated seepage ponds for Central Wire's rinse waters from the annealing process, non-contact cooling water, boiler blowdown and storm water.

3. **Upcoming Events/Activities Planned** – Central Wire will continue to operate the existing remediation systems. Effluent samples will be collected, analyzed and reported as required in our NPDES permit.

The flow has been decreasing in extraction well 2 as a result of screen biofouling. Central Wire plans to have the well cleaned, air bursted, then pump one tanker truck with the water and solids from the well rehabilitation for treatment and disposal. Central Wire plans to do this as soon as we can get a tanker truck into the field without getting stuck.

Central Wire plans on implementing the work outlined in the revised and approved "2016 RCRA CMI Field Investigation Work Plan" in June 2016.

4. **Anticipated Problem Areas and Recommended Solutions** – None.
5. **Key Personnel Changes** – None.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.